

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 7, line 24 with the following rewritten paragraph.

As noted above, synchronization is typically achieved by matching a received synchronization pattern against an expected synchronization pattern. The present invention uses multiple synchronization patterns to signal the selection of various operating parameters. In a first example, the embedded synchronization field 300' is used to enable the receiving device to differentiate between voice burst and non-voice bursts in accordance with the present invention. The present invention assumes that the burst structure of each voice burst and each non-voice burst utilize the same embedded synchronization field 300' illustrated in FIG. 4 even though the burst content is quite different between the two. To avoid using dedicated bits to differentiate between a voice burst and a non-voice burst, the present invention utilizes different synchronization patterns such that the receiving device can utilize pattern matching to differentiate voice bursts from non-voice bursts. Preferably, the synchronization pattern used for the voice burst and the synchronization pattern used for the non-voice burst are complements of each other (for example, but not limited to, the bits/symbols of the synchronization pattern used for the voice bursts have the opposite polarity of the bits/symbols of the synchronization pattern used for the non-voice bursts), thus allowing the receiving device to utilize a single pattern-matching algorithm to detect both synchronization patterns, however the present invention is not limited to such. For example, as illustrated in FIG. 12, the non-voice bursts (the voice header and the terminator) 1200, 1202 use synchronization pattern B, while the voice bursts 1204, 1206, 1208 use the complement, synchronization pattern B'. Further to this example, in one implementation (for instance) the synchronization patterns have a common

length, and one of the synchronization patterns is defined by a synchronization pattern defined in ANSI.102.BAAA (2003).